

Rudin  
09/529,742  
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and (h) from about 0.1  $\mu\text{m}$  to about 0.0001  $\mu\text{m}$  with the particles of hydroxyapatite having a specific surface of hydroxyapatite from 100  $\text{m}^2/\text{g}$  to 150  $\text{m}^2/\text{g}$ .

2. (Amended twice) The stomatic composition according to claim 1 characterised in that it comprises particles of hydroxyapatite with an average particle size in length (l), width (d) and thickness (h) of about (l) = 0.06  $\mu\text{m}$  +/- 50%, (d) = 0.015  $\mu\text{m}$  +/- 50% and (h) = 0.005  $\mu\text{m}$  +/- 50%.
3. (Amended twice) The stomatic composition according to claim 1 characterised in that it comprises particles of hydroxyapatite with an average particle size in length (l), width (d) and thickness (h) of about (l) = 0.06  $\mu\text{m}$ , (d) = 0.015  $\mu\text{m}$ , (h) = 0.005  $\mu\text{m}$ .

Claim 4 was cancelled in the last Amendment submitted on May 1, 2002.

5. The stomatic composition according to claim 1 characterized in that it comprises said hydroxyapatite particles ultra finely divided.
6. The composition according to claim 1 characterised in that the ultra finely divided hydroxyapatite particles are present in the composition in an amount of 0.1% to 50% by weight.
7. The composition according to claim 1 characterised in that the ultra finely, divided hydroxyapatite is a synthetic hydroxyapatite which contains 99.9% of  $\text{Ca}_{10}(\text{PQ}_4)_6(\text{OH})_2$  by weight.
8. The composition according to claim 1 further characterised by at least one substance of the group consisting of
- humectants in a range from about 0% to 85% by weight,
  - bindings and thickeners in a range of 0% to 10% by weight,
  - abrasive materials in a range from 0.0% to 25%,

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- Surfactants in a range from 0% to 5% by weight,
  - Flavours in a range from 0% to 5% by weight.
9. The composition according to claim 1 further characterised by agents enhancing the gingivitis system of the mouth cavity and comprising extracts of natural plants including at least one of the group consisting of urtica, millefolium, chamomilla hypericum, salvia, etc. in the aqueous and in the aqueous-alcoholic form.
10. The composition according to claim 1 further characterised by effective amounts of anti-microbial and anti-plaque agents.
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11. (Amended) A stomatic composition comprising particles of hydroxyapatite with an average particle size in length (l), width (d) and thickness (h) of: (l) from about 0.2  $\mu\text{m}$  to about 0.01  $\mu\text{m}$ , (d) from about 0.1  $\mu\text{m}$  to about 0.001  $\mu\text{m}$ , and (h) from about 0.1  $\mu\text{m}$  to about 0.0001  $\mu\text{m}$ , and effective amounts of gingivitis systems of the mouth cavity comprising extracts of natural plants including at least one of the group consisting of urtica, millefolium, chamomilla hypericum, and salvia, in an aqueous or an aqueous-alcoholic form.
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